This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for calibrating one or more amplifiers (100,200) comprising the steps of:

i) generating a noise signal (N_a+N_i) produced by said one or more amplifiers (100,200) when no input signal (S_i+N_i) is connected (Alt. 2) to at least one amplifier of said one or more amplifiers (100,200); and

ii) using said noise signal (N_a+N_i) as a calibrating signal for estimating a corresponding gain (G) of said one or more amplifiers (100,200) by measuring (600) at at least one output of said one or more amplifiers (100,200) the amount of noise (S_{tot}) of said one or more amplifiers (100,200).

2. (Previously Presented) A method for calibrating [at least] one or more amplifiers (100,200) according to claim 1, wherein said gain (G) is further adjusted in accordance with said calibrating signal.

3. (Currently Amended) A method for calibrating a receiver (1,2) comprising the steps of:

i) generating a noise signal (N_a+N_i) produced by one or more amplifiers (100,200) of said receiver when an input signal (S_i+N_i) is disconnected (Alt. 2) from said receiver; and

ii) using said noise signal (N_a+N_I) as a calibrating signal for estimating a corresponding gain (G) of said one or more amplifiers in said receiver by measuring (600) at the output of the receiver the amount of noise (S_{tot}) of said one or more amplifiers (100,200).

4. (Previously Presented) A method for calibrating a receiver according to claim 3, wherein said gain (G) is further adjusted in accordance with said calibrating signal.

5. (Previously Presented) A calibration arrangement (1,2) comprising:

one or more amplifiers (100,200) for amplifying a radio signal (S_I+N_I);

estimating means (600) for estimating a gain (G) of said one or more amplifiers (100,200);

disconnecting said radio signal (S_I+N_I), while at least one amplifier of said one or more amplifiers (100,200) is producing a calibrating signal (N_a+N_I) as a reference signal into said estimating means (600) for estimating said gain (G) of said radio signal (S_I+N_I).

6. (Previously Presented) A calibration arrangement (1,2) comprising:

one or more amplifiers (100,200) for amplifying a radio signal (S_I+N_I);

estimating means (600) for estimating a gain (G) of said one or more amplifiers (100,200);

wherein said calibration arrangement (1,2) further comprises:

a switching means (10,30+100) for disconnecting said radio signal (S_i+N_i), while at least one amplifier of said one or more amplifiers (100,200) is producing a calibrating signal (N_a+N_i) as a reference signal into said estimating means (600) for estimating said gain (G) of said radio signal (S_i+N_i) .

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7. (Previously Presented) A calibration arrangement (1,2) according to claim 5, wherein said calibrating signal is a pure noise signal (N_a+N_i) of at least one amplifier of said one or more amplifiers (100,200).

8. (Previously Presented) A calibration arrangement (2) according to claim 5, wherein disconnecting said one or more amplifiers (100,200) from said radio signal (S_i+N_i) by disconnecting a power supply (500) from at least one amplifier of said one or more amplifiers (100,200).

9. (Previously Presented) A calibration arrangement (2) according to claim 6, wherein said switching means (30+100) is disconnecting said one or more amplifiers (200) from said radio signal (S_i+N_i) by disconnecting a power supply (500) from at least one amplifier of said one or more amplifiers (100,200).

10. (Previously Presented) A calibration arrangement (1) according to claim 5, wherein disconnecting said one or more amplifiers (100,200) from said radio

signal (S_i+N_i) by connecting at least one input of said one or more amplifiers (100,200) to a reference potential (20).

11. (Previously Presented) A calibration arrangement (1) according to claim 6, wherein said switching means (10) is disconnecting said one or more amplifiers (200) from said radio signal (S_i+N_i) by connecting at least one input of said one or more amplifiers (100,200) to a reference potential (20).

12. (Previously Presented) A calibration arrangement (1) according to claim 10, wherein said reference potential is provided by a resistance (20) [through] connected to ground.

13. (Previously Presented) A calibration arrangement (1,2) according to claim 5, wherein the calibration arrangement (1,2) further comprises:

more than one amplifier (100+200) in a chain for amplifying said received radio signal (S_i+N_i).

14. (Previously Presented) A calibration arrangement (1,2) according to claim 6, wherein said switching means (10,30+100) is disconnecting said one or more amplifiers (100,200) from said radio signal (S_i+N_i) by disconnecting at least one input of said one or more amplifiers (100,200) which is closest to an input of said radio signal (S_i+N_i).

15. (Previously Presented) A calibration arrangement (1,2) according to claim 5, wherein said calibrating signal represents a noise power (kTBF) from said one or more amplifiers (100,200) that comprises:

a known Boltzman constant (k);

a known bandwith (B) of said noise power;

a known noise figure of said noise power;

a measured temperature (T) of said receiver.

16. (Previously Presented) A calibration arrangement (1,2) according to claim 5, an output from the last one of said one or more amplifiers (100,200) in a chain is connected to an analog-digital-converter (400) for converting analog signals into digital signals.

17. (Previously Presented) A calibration arrangement (1,2) according to claim 15, wherein said gain (G) of said radio signal (S_i+N_i) is estimated from said calibrating signal (N_a+N_i) including said noise power (kTBF) when an output signal (S_{tot}) is measured at at least one output of said one or more amplifiers (100,200).

18. (Previously Presented) A calibration arrangement (1,2) according to claim 5, wherein said gain (G) of said radio signal (S_i+N_i) is estimated from said calibrating signal (N_a+N_i) when an output signal (S_{tot}) is measured at at least one output of said one or more amplifiers (100,200).

19. (Previously Presented) A calibration arrangement (1,2) according to claim 16, wherein said gain (G) of said radio signal (S_i+N_i) is estimated from said calibrating signal (N_a+N_i) when an output signal (S_{tot}) is measured after said analog-digital-converter (400).

20. (Previously Presented) A receiver (1,2) comprising:

means (300) for receiving a radio signal (S_i+N_i);

one or more amplifiers (100,200) for amplifying said received radio signal (S_i+N_i);

estimating means (600) for estimating a gain (G) of said receiver (12);

wherein said receiver further comprises:

a switching means (10,100) for disconnecting said received signal (S_i+N_i), while at least one amplifier of said one or more amplifiers (100,200) is producing a calibrating signal (N_a+N_i) as a reference signal to said estimating means (600) for estimating said gain (G) of said radio signal (S_i+N_i).

21. (Previously Presented) A receiver (1,2) according to claim 20, wherein said calibrating signal is a pure noise signal (N_a+N_i) of at least one amplifier of said one or more amplifiers (100,200).

22. (Previously Presented) A receiver (1) according to claim 20, wherein said switching means (10) is disconnecting said radio signal (S_i+N_i) by connecting at least one input of said one or more amplifiers (100) to a reference potential (20).

23. (Previously Presented) A receiver (1) according to claim 22, wherein said reference potential is provided by a resistance (20) connected to ground.

24. (Previously Presented) A receiver (2) according to claim 20, wherein said switching means (100) is disconnecting said one or more amplifiers (100,200) from said radio signal (S_i+N_i) by disconnecting a power supply (500) from at least one amplifier of said one or more amplifiers (100,200).

25. (Previously Presented) A receiver (1,2) according to claim 20, wherein the receiver (1,2) further comprises:

more than one amplifier (100+200) in a chain for amplifying said received radio signal (S_i+N_i).

26. (Previously Presented) A receiver (1,2) according to claim 20, wherein said calibrating signal represents a noise power (kTBF) from said one or more amplifiers (100,200) that comprises:

a known Boltzman constant (k);

a known bandwith (B) of said noise power;

a known noise figure of said noise power;

a measured temperature (T) of said receiver.

27. (Previously Presented) A receiver (1,2) according to claim 20, wherein an output from the last one of said one or more amplifiers (200) in a chain is connected to an analog-digital-converter (400) for converting analog signals into digital signals.

28. (Previously Presented) A receiver (1,2) according to claim 26, wherein said gain (G) of said received radio signal (S_i+N_i) is estimated from said calibrating signal (N_a+N_i) including said noise power (kTBF) when an output signal (S_{tot}) is measured at at least one output of said one or more amplifiers (100,200).

29. (Previously Presented) A receiver (1,2) according to claim 20, wherein said gain (G) of said received radio signal (S_i+N_i) is estimated from said calibrating signal (N_a+N_i) when an output signal (S_{tot}) is measured at at least one output of said one or more amplifiers (100,200).

30. (Previously Presented) A receiver (1,2) according to claim 27, wherein said gain (G) of said received radio signal (S_i+N_i) is estimated from said calibrating signal (N_a+N_i) when an output signal (S_{tot}) is measured after said analog-digital-converter (400).